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**Antiproliferative activity and hplc-dad analysis of chloroform extract  
of plumbaginaceae specie**

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**Abstract**

The aim of this study was to examine the composition of chloroform extract using HPLC-DAD, as well as the evaluation of its antiproliferative activity.

The HPLC-DAD analysis of a chloroform extract revealed the presence of seven compounds. In addition to, the antiproliferative activity of the CHCl<sub>3</sub> extract (IC<sub>50</sub>: 50,369±0,020 µg/mL) was determined to be higher than 5-FU against HeLa cells at 100-50 µg/mL concentrations.

The antiproliferative activity of the chloroform extract of a species belonging to the Plumbaginaceae family can be attributed to the presence of various phytocostituents.

**Keywords:** Plumbaginaceae, HPLC-DAD analysis, Chemical composition, Antiproliferative activity.